

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------|------------------|---------|------------------|
| S2 | 196 | (cathode anode) same (ion\$2 near pump) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 10:36 |
| S3 | 4 | ("3057996" "3591827" "3996464").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/03 10:52 |
| S4 | 7 | ("3070283" "3319875" "4631002" "5646488" "5980212").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/03 11:04 |
| S5 | 9 | ("4631002").URPN. | USPAT | OR | OFF | 2005/02/03 11:05 |
| S6 | 3 | ("5980212").URPN. | USPAT | OR | OFF | 2005/02/03 11:24 |
| S7 | 2 | ("5451781").URPN. | USPAT | OR | OFF | 2005/02/03 11:29 |
| S8 | 0 | ("5036290").URPN. | USPAT | OR | OFF | 2005/02/03 11:39 |
| S9 | 9 | ("4631002").URPN. | USPAT | OR | OFF | 2005/02/03 12:00 |
| S10 | 0 | ("6264433").URPN. | USPAT | OR | OFF | 2005/02/03 12:00 |
| S11 | 10 | ("3319875" "3994625" "4274022" "4328079" "4334829" "4397611" "4631002" "5980212" "6004104").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/03 12:00 |
| S12 | 0 | ("4594054").URPN. | USPAT | OR | OFF | 2005/02/03 12:12 |
| S13 | 3 | ("4097195").URPN. | USPAT | OR | OFF | 2005/02/03 12:32 |
| S14 | 2 | ("4047102").URPN. | USPAT | OR | OFF | 2005/02/03 12:36 |
| S15 | 6 | ("3994625").URPN. | USPAT | OR | OFF | 2005/02/03 13:03 |
| S16 | 1 | ("3827829").URPN. | USPAT | OR | OFF | 2005/02/03 13:15 |
| S17 | 2 | ("3827829" "4812711").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/03 13:18 |
| S18 | 0 | ("3713754").URPN. | USPAT | OR | OFF | 2005/02/03 14:35 |
| S19 | 1018 | 417/48-50.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:35 |
| S21 | 3 | 417/48-50.ccls.and (housing near cathode) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:38 |
| S22 | 7 | 417/48-50.ccls.and ((housing envelope) near cathode) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 14:38 |
| S23 | 3 | ("4097195").URPN. | USPAT | OR | OFF | 2005/02/03 14:48 |
| S24 | 10 | ((vacuum ion) near pump)(penning near (trap discharge pump))) same (cathode near (housing envelope)) | USPAT | OR | OFF | 2005/02/03 14:57 |

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| S25 | 15 | ((vacuum ion) near pump)(penning near (trap discharge pump))) same (cathode near (housing envelope)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/02/03 15:12 |
| S26 | 1 | (sputter near ion near pump) same (cathode near (hous\$3 cas\$3 envelope)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 15:13 |
| S27 | 3 | (sputter near ion near pump) same (cathode near (hous\$3 cas\$3 envelope)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/02/03 15:14 |
| S28 | 10 | (ion near pump) same (cathode near (hous\$3 cas\$3 envelope)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/02/03 15:14 |
| S29 | 83389 | 417/48-50.ccls.and (vacuum same pump) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:03 |
| S30 | 129 | 417/48-50.ccls.and (ion same pump) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:13 |
| S31 | 3 | ("6004104").URPN. | USPAT | OR | OFF | 2005/02/03 16:16 |
| S32 | 23 | ("2993638" "3070283" "3070719" "3091717" "3141986" "3147910" "3319875" "3452923" "3460745" "3546510" "3574569" "4631002").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/03 16:17 |
| S33 | 2 | ("3546510").URPN. | USPAT | OR | OFF | 2005/02/03 16:52 |
| S34 | 82 | (ion near pump) same (GCMS (gas near chromatograph) (mass adj spectrometer)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 16:58 |
| S35 | 9 | (ion near pump) same (GCMS (gas near chromatograph)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:01 |
| S36 | 0 | ((ion near pump) same (magnet\$3 near hiperco-50)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:02 |
| S37 | 1 | ((ion near pump) and (magnet\$3 near hiperco-50)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:03 |
| S38 | 1 | (magnet\$3 near hiperco-50) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:03 |
| S39 | 1 | ((magnet\$3 adj material) near hiperco-50) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:05 |
| S40 | 1255 | ((magnet\$3 adj material) near (high adj3 permeability)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:05 |
| S41 | 7 | ((magnet\$3 adj material) near (high adj3 permeability)) and (ion adj pump) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:09 |

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| S42 | 20 | ((magnet\$3 adj material) near (high adj3 permeability)) and ((ion adj pump)(vacuum near pump)(penning near trap)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:10 |
| S43 | 1 | 417/48-50.ccls.and ((magnet\$3 yoke) near (high adj permeability)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:15 |
| S44 | 7 | 417/48-50.ccls.and ((magnet\$3 yoke) same (high adj permeability)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:16 |
| S45 | 1 | 313/7.ccls.and ((magnet\$3 yoke) same (high adj permeability)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:16 |
| S46 | 3 | 313/359.1.ccls.and ((magnet\$3 yoke) same (high adj permeability)) | US-PGPUB; USPAT | OR | OFF | 2005/02/03 17:16 |
| S47 | 1 | "6835048".pn. | US-PGPUB; USPAT | OR | OFF | 2005/02/04 11:07 |
| S48 | 13 | ("3067366" "3091717" "3231175" "3416722" "3994625" "4334829" "4937545" "5262028" "6004104").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/04 11:07 |
| S49 | 6 | ("3994625").URPN. | USPAT | OR | OFF | 2005/02/04 11:32 |
| S50 | 13 | ("3067366" "3091717" "3231175" "3416722" "3994625" "4334829" "4937545" "5262028" "6004104").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/04 11:33 |
| S51 | 1 | "5525799".pn. | US-PGPUB; USPAT | OR | OFF | 2005/02/04 15:46 |
| S52 | 23 | (magnet\$3 near material) near (Nd-B-Fe Sm-Co) | US-PGPUB; USPAT | OR | OFF | 2005/02/04 16:11 |
| S53 | 10 | ("5000796" "5030512" "5506558" "5545266" "5676998" "5849422" "6080498" "6139907" "6302972" "6387548").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/02/04 16:45 |
| S54 | 193 | (ion adj pump) and "313"/\$.ccls. | US-PGPUB; USPAT | OR | OFF | 2005/07/03 17:41 |
| S55 | 7 | ("4389165").URPN. | USPAT | OR | OFF | 2005/07/03 17:58 |
| S56 | 3 | ("4097195").URPN. | USPAT | OR | OFF | 2005/07/03 17:59 |
| S57 | 0 | ("4594054").URPN. | USPAT | OR | OFF | 2005/07/03 17:59 |
| S58 | 2 | ("3994625" "4097195").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/03 18:03 |
| S59 | 1 | lamont.in. and (vacuum near3 ion near3 pump) | US-PGPUB; USPAT | OR | OFF | 2005/07/03 18:06 |

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| S60 | 3 | ishimaru.in. and (vacuum near3 ion near3 pump) | US-PGPUB; USPAT | OR | OFF | 2005/07/03 18:06 |
| S61 | 0 | ("4594054").URPN. | USPAT | OR | OFF | 2005/07/03 18:08 |
| S62 | 2 | ("3994625" "4097195").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/03 18:08 |
| S63 | 2771 | ((getter near3 ion near3 pump)(sputter near3 ion near3 pump) (vacuum near3 pump)) and projections | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/03 18:09 |
| S64 | 253 | ((getter near3 ion near3 pump)(sputter near3 ion near3 pump) (vacuum near3 pump)) same projections | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/03 18:10 |
| S65 | 1 | ((getter near3 ion near3 pump)(sputter near3 ion near3 pump)) same projections | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/03 18:12 |
| S66 | 3 | ((getter near3 ion near3 pump)(sputter near3 ion near3 pump)) same (projections inserts protrusions) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/03 18:25 |
| S67 | 7 | magnets near (vanadium near permendur) | US-PGPUB; USPAT | OR | OFF | 2005/07/03 18:14 |
| S68 | 1 | ((getter near3 ion near3 pump)(sputter near3 ion near3 pump)) same (projections posts) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/07/03 18:26 |
| S69 | 1 | ("3827829").URPN. | USPAT | OR | OFF | 2005/07/03 18:40 |
| S70 | 2 | ("3827829" "4812711").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/03 18:42 |
| S71 | 3 | (sputter adj4 ion adj3 pump) same (getter near3 ion adj pump) | US-PGPUB; USPAT | OR | OFF | 2005/07/03 18:49 |
| S72 | 1 | (sputter adj3 ion adj pump) near3 (getter adj3 ion adj pump) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:27 |
| S73 | 1 | "4594054" | US-PGPUB; USPAT | OR | OFF | 2005/07/14 10:57 |
| S74 | 2 | ("3994625" "4097195").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/14 11:18 |
| S75 | 1 | (ion near3 pump) same (housing near4 ((cathode near2 material)(titanium))) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 11:19 |
| S76 | 2 | (ion near3 pump) same (housing near4 ((cathode near2 material)(titanium))) | EPO; JPO; DERWENT | OR | OFF | 2005/07/14 11:20 |

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| S77 | 2 | ((ion near3 pump)(sputter near3 ion near3 pump)(getter near3 ion near3 pump)) same (housing near4 ((cathode near2 material)(titanium))) | EPO; JPO; DERWENT | OR | OFF | 2005/07/14 11:21 |
| S78 | 1 | ((ion near3 pump)(sputter near3 ion near3 pump)(getter near3 ion near3 pump)) same (housing near4 ((cathode near2 material)(titanium))) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 11:21 |
| S79 | 2 | ((ion near3 pump)(sputter near3 ion near3 pump)(getter near3 ion near3 pump)) same ((housing casing) near4 ((cathode near2 material)(titanium))) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 11:22 |
| S80 | 7 | "3460745" | US-PGPUB; USPAT | OR | OFF | 2005/07/14 11:22 |
| S81 | 23 | ("2993638" "3070283" "3070719" "3091717" "3141986" "3147910" "3319875" "3452923" "3460745" "3546510" "3574569" "4631002").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/07/14 11:25 |
| S82 | 0 | (ion near3 pump) same (magnet near3 (vanadium near3 permendur)) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 12:52 |
| S83 | 2 | (ion near3 pump) same (magnet near3 ((magnet\$3 near2 material) hiperco)) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 12:53 |
| S84 | 2 | ((ion near3 pump)(sputter near3 pump) (getter near3 pump)) same (magnet near3 ((magnet\$3 near2 material) hiperco)) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 12:55 |
| S85 | 12 | ((ion near3 pump)(sputter near3 pump) (getter near3 pump)) and (magnet near3 ((magnet\$3 near2 material) hiperco)) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 12:55 |
| S86 | 0 | (high near3 flux near4 (magnet\$4 adj3 material)) near4 (vanadium adj3 permendur) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 12:58 |
| S87 | 111 | (vanadium adj3 permendur) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 12:58 |
| S88 | 0 | (high near3 flux near4 (magnet\$4 adj3 material)) same (vanadium adj3 permendur) | US-PGPUB; USPAT | OR | OFF | 2005/07/14 12:58 |
| S89 | 88 | (vanadium adj3 permendur) same magnet\$4 | US-PGPUB; USPAT | OR | OFF | 2005/07/14 12:58 |
| S90 | 80 | S89 not @ad>"20030714" | US-PGPUB; USPAT | OR | OFF | 2005/07/14 13:00 |

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| S91 | 2 | "5689070" | US-PGPUB; USPAT | OR | OFF | 2005/07/14 13:53 |
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